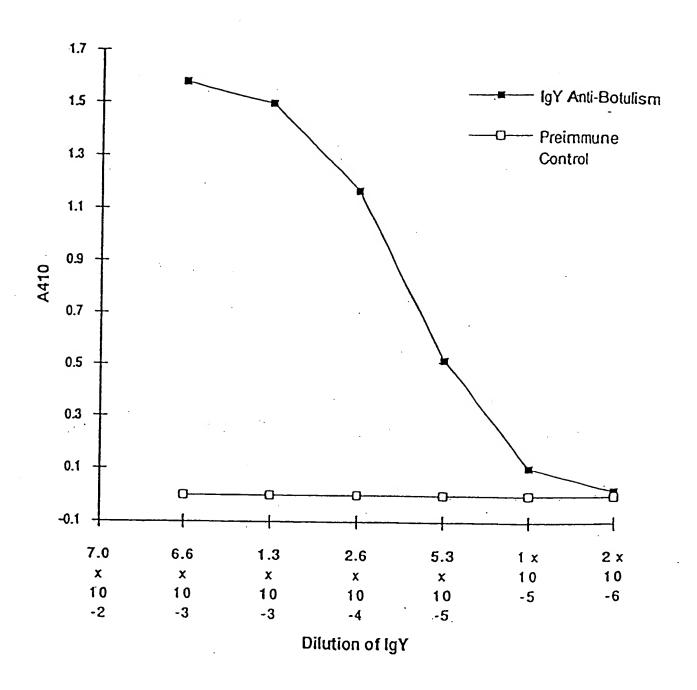
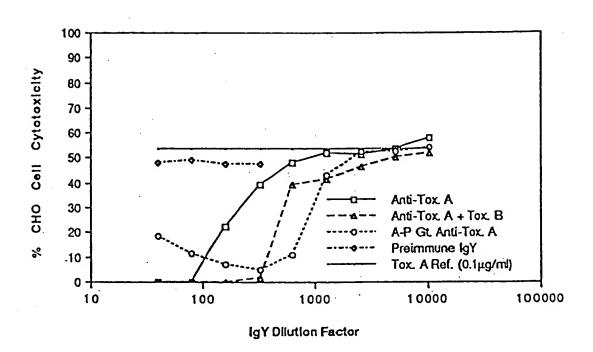
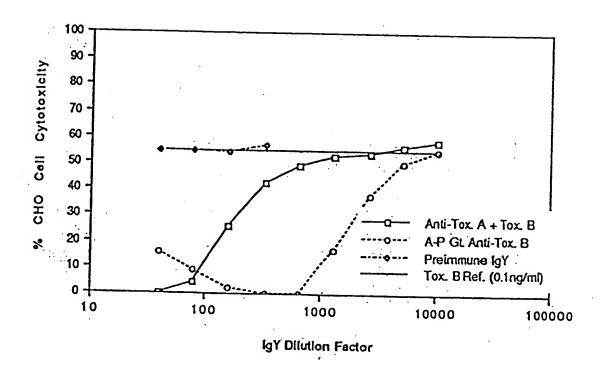
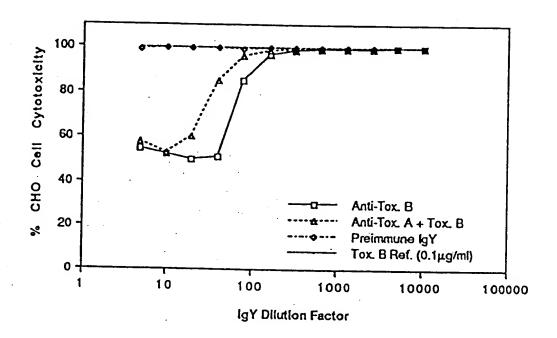


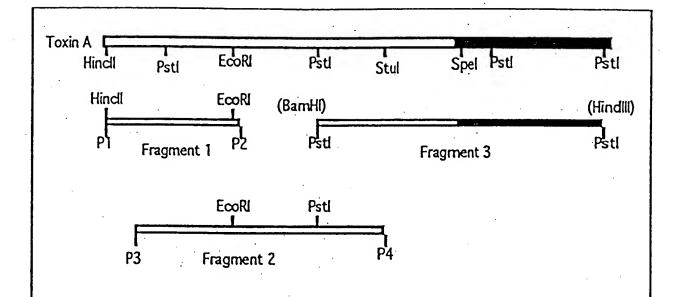
FIGURE 2



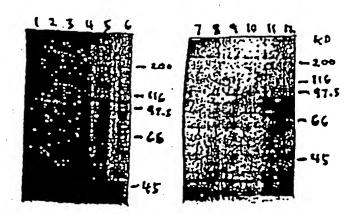


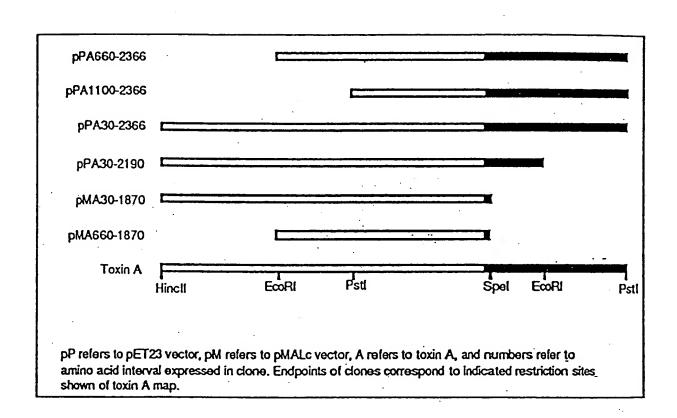




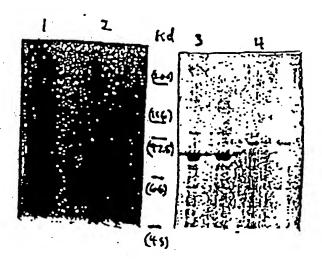


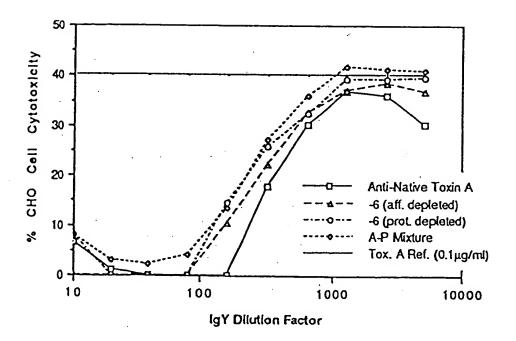
P1-P4 are PCR primers 1-4. P1=5'GGAAATTTAGCTGCAGCATCTGAC3', P2=5'TCTAGCAAATTCGCTTGTGTTGAA3',P3=5'CTCGCATATAGCATTAGACC3', P4=5'CTATCTAGGCCTAAAGTAT3'. Indicated restriction sites in fragments 1 and 2 are internal sites used to clone into pGEX2T vector (fragment 1; construct called pGA30-660) or pMALc vector (fragment 2; construct called pMA660-1100). Bracketed restriction sites at ends of fragment 3 are pUC9 polylinker sites utilized to clone fragment 3 into pET23 vector (construct called pPA1100-2680). Numbers in these constructs refer to toxin A amino acid interval that is expressed. The shaded portion of the toxin A gene corresponds to the repeating ligand binding domain.





	Xbal			Clal		
Toxin A Hincll	Pstl	EcoRI	Psti	Stul	Spel Pstl	Pstl
pMA30-270			· .	•		
pMA30-300						
	•	pMA1100-1	610			
рМА300-	-660		pMA1610-	1870		
p	MA660-11	00 ===	p	MA1870-26	580	
•		p	MA1450-18	370		
		pPA1100-1	450			
	•	pPA1100-1	870 ==	· · · · · · · · · · · · · · · · · · ·		
	•		ρſ	PA1870-26	80	
,						
·				-	9	
pP refers to pET2	3 vector, p	M refers to p	MALc vecto	or, A refers	to toxin A, and numb	ers refer
restriction sites sh	rvai expres	sed in clone.	Endpoints o	of clones co	rrespond to indicated	i





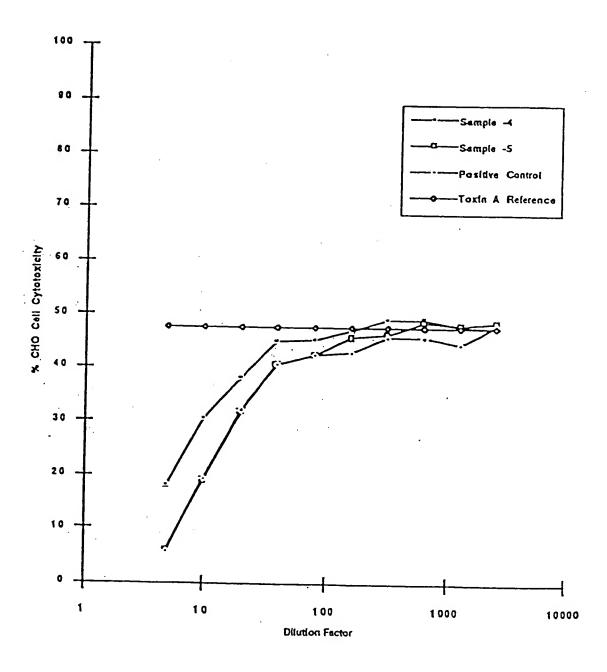
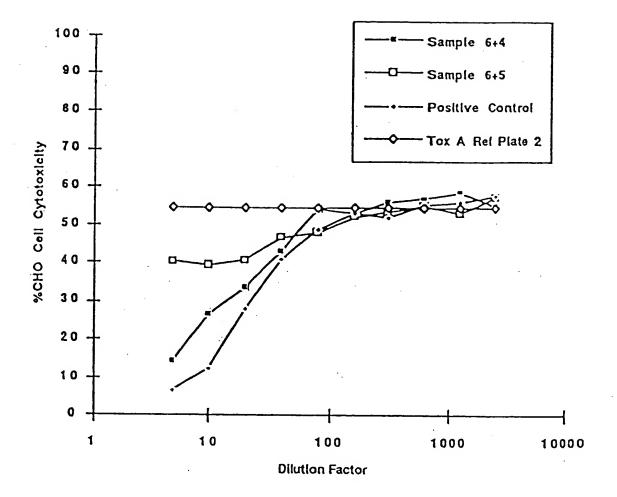
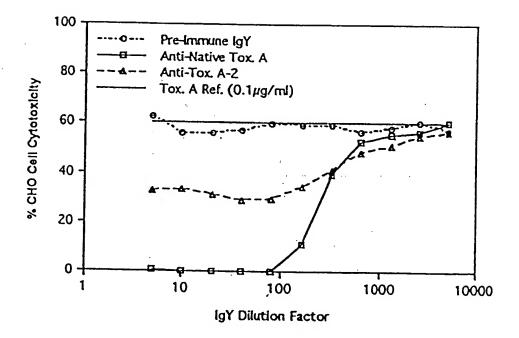
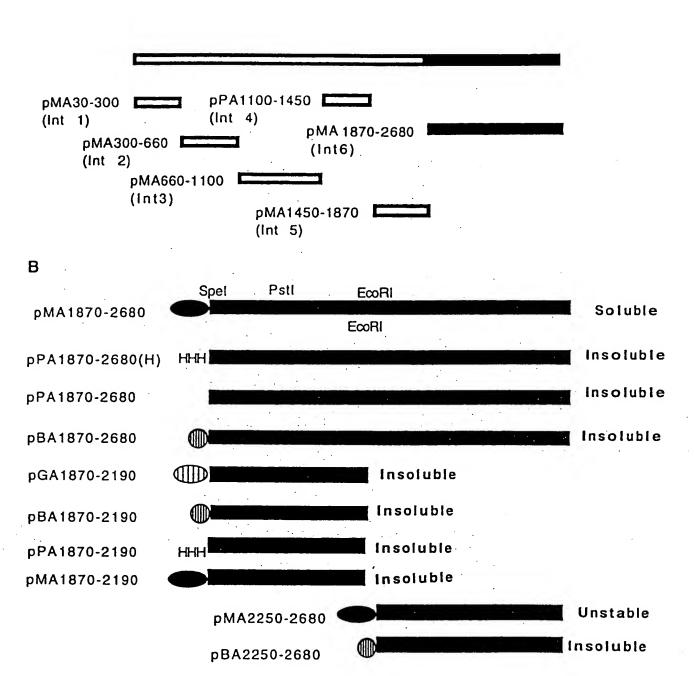


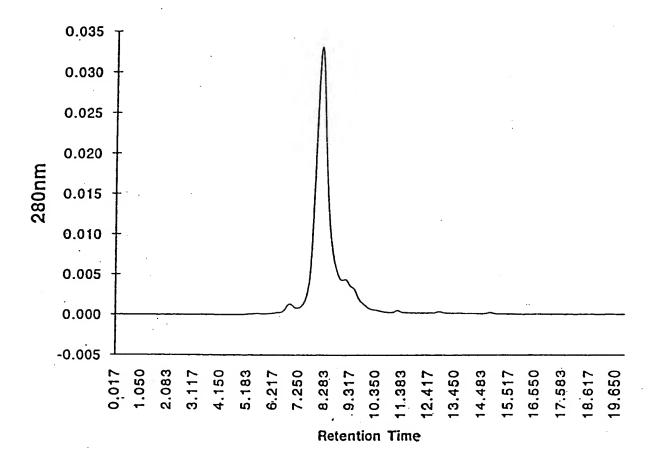
FIGURE 13

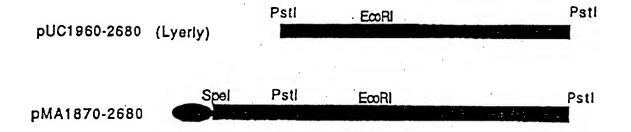


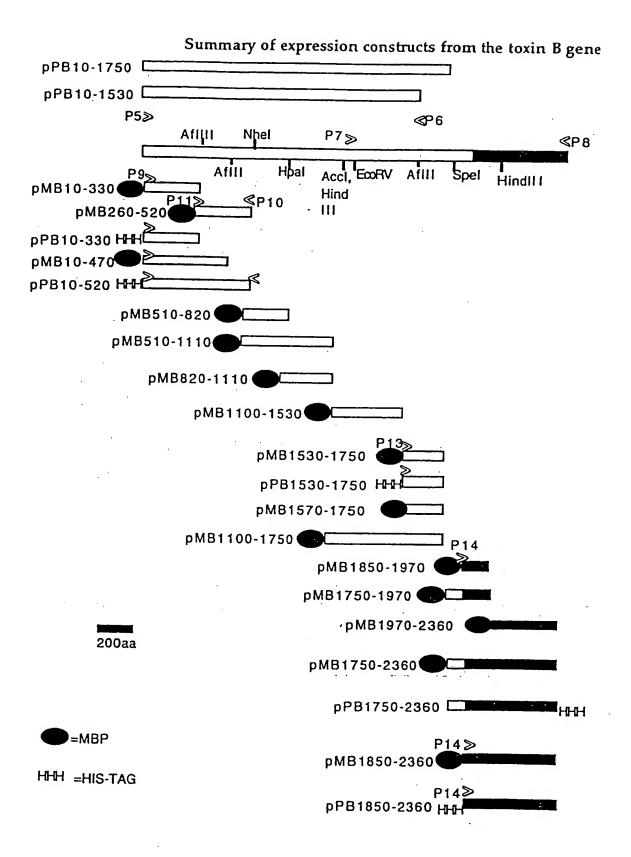


Α

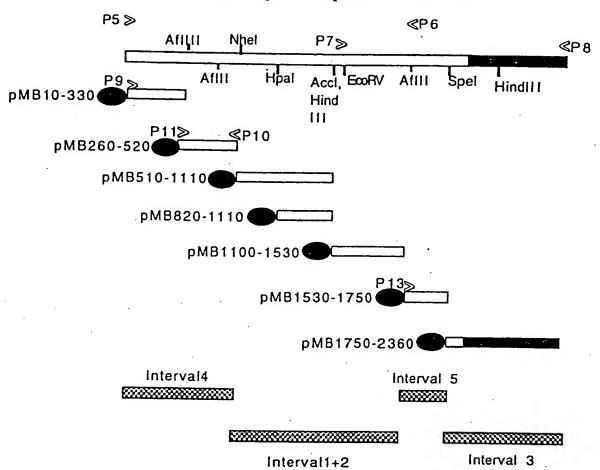


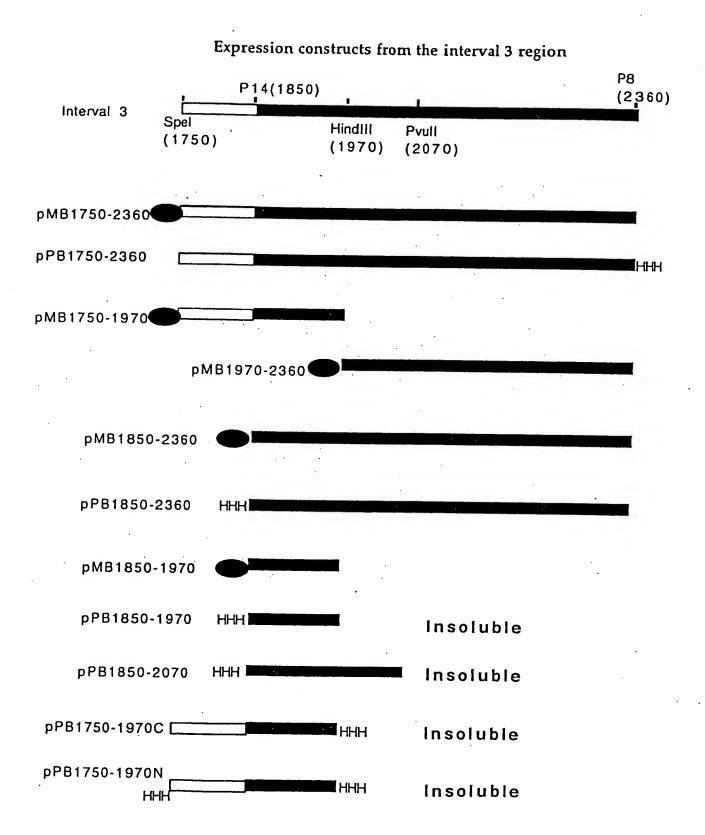


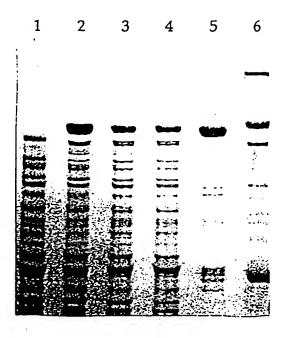




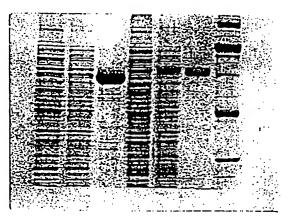
Interval specific expression constructs



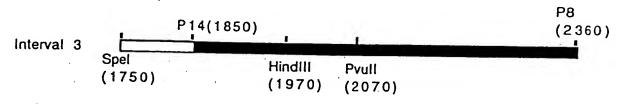


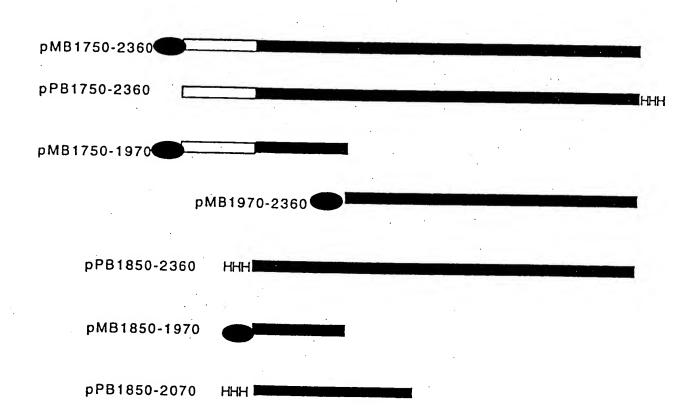


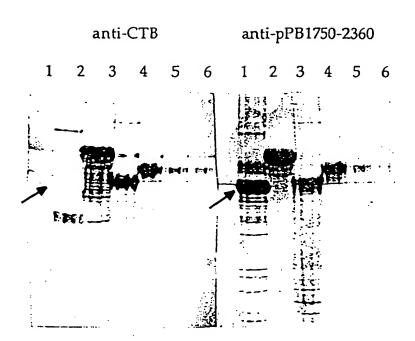


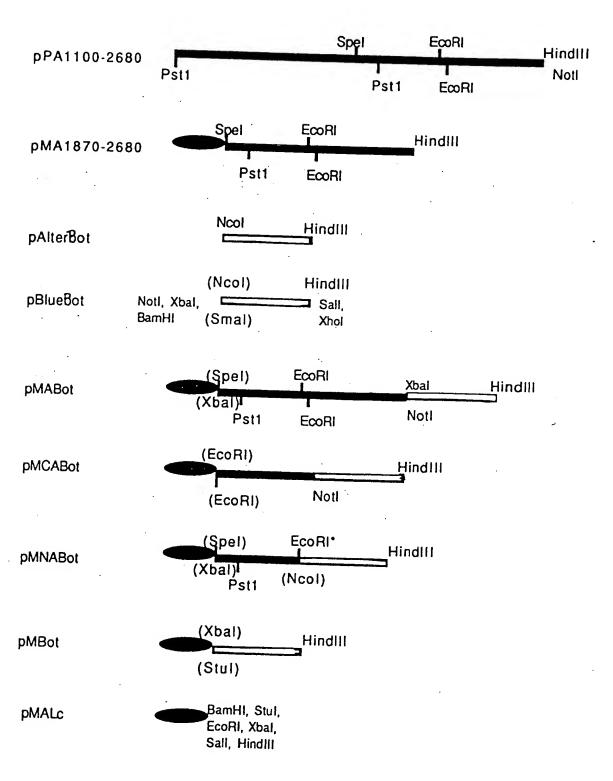


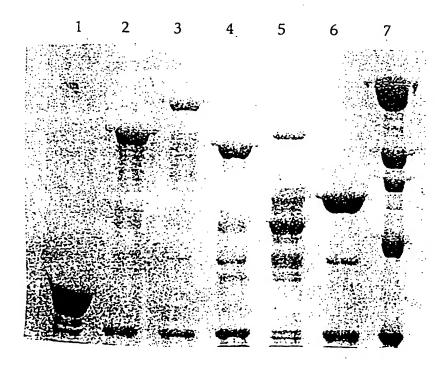
Binding of neutralizing CTB antibodies by recombinant toxin B protein

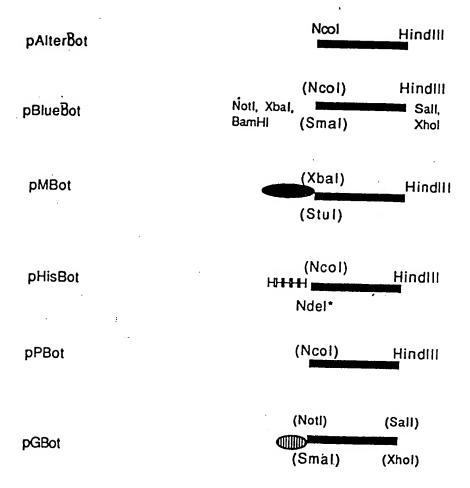


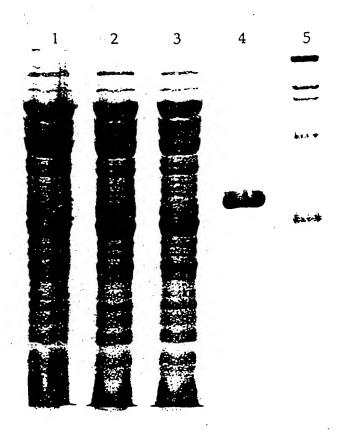




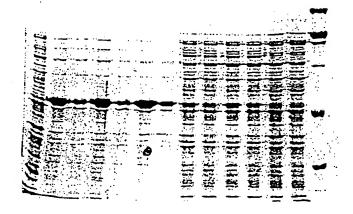








1 2 3 4 5 6 7 8 9 10 11 12 13 14



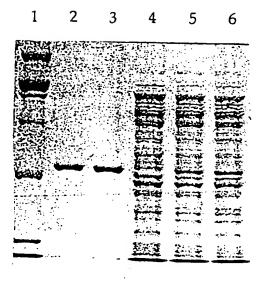
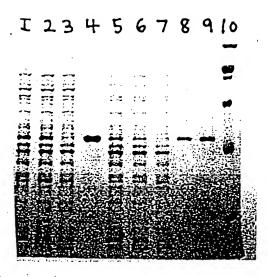
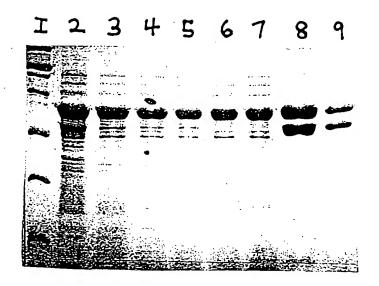
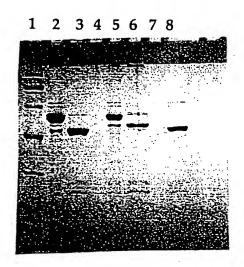
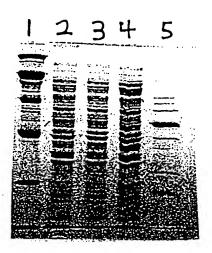


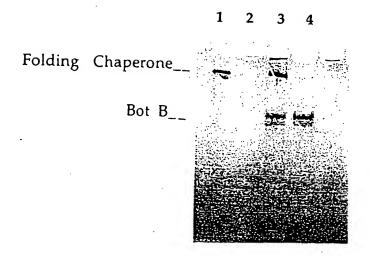
FIGURE 31

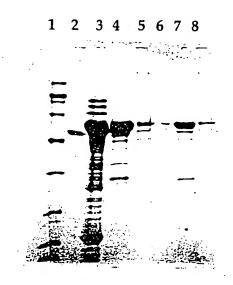




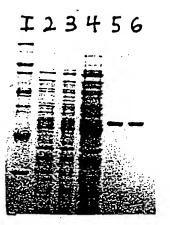


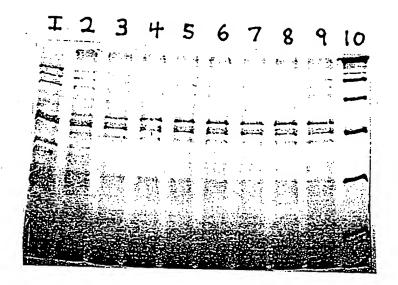












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